

ABSTRACT

usde *AG* ~~A method for expressing proteins as a fusion chimera with a domain of p26 or~~
 alpha crystallin type proteins to improve the protein stability and solubility when over
 expressed in bacteria such as *E. coli* is provided. Genes of interest are cloned into the
 mutiple cloning site of the pROTECT Vector System just downstream of the p26 or alpha
 crystallin type protein and a thrombin cleavage site. Protein expression is driven by a
 strong bacterial promoter (TAC). The expression is induced by the addition of 1mM
 IPTG that overcomes the lac repression (lac I_q). The soluble recombinant protein is
~~purified using a fusion tag~~